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PATENT

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Maria Wallenfelts

Name

Signature

6/9/03

Date of Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chris Macris  
Serial No : 09/927,276  
Filed : August 10, 2001  
For : HEAT DISSIPATING IC DEVICES (CIP)

AMENDMENT

Dear Sir:

Please amend the above-identified application as follows:

In the Claims:

Claim 1 (allowed) A heat dissipating IC device comprising:  
at least one IC die comprising a semiconductor substrate  
including at least one circuitry layer with a hot region on at  
least one substrate face, a backside and a perimeter;  
a doped region diffused within the semiconductor  
substrate backside thereby creating a depletion layer between  
the substrate and doped region; and  
a voltage connected to the doped region, whereby the  
charge carrier flow, through the doped region of the  
substrate, travels in a direction from the hot region on the  
semiconductor substrate face outward toward the perimeter of  
the substrate face.

Claim 2 (allowed) The device in claim 1 wherein an electric  
via connects a portion of the circuitry layer with the doped  
region within the semiconductor substrate in order to provide  
electrical power.



1745

## AMENDMENT TRANSMITTAL LETTER

In re Application of: Chris Macris  
Serial No : 09/927,276  
Filed : August 10, 2001  
For: HEAT DISSIPATING IC DEVICES (CIP)

Art Unit: 1745  
Examiner: Thomas H. Parsons  
Date : June 9, 2003

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MAIL STOP NON-FEE AMENDMENT  
COMMISSIONER OF PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

Dear Sir:

Transmitted herewith is an amendment in the above-identified application.

[  ] No additional fee is required.

[  ] Fee calculation:

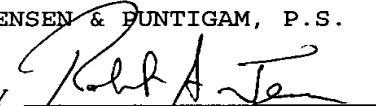
CLAIMS AS AMENDED

(1)	(2) CLAIMS REMAINING AFTER AMENDMENT	(3)	(4) HIGHEST PREVIOUSLY PAID FOR	(5) NO. OF EXTRA CLAIMS PRESENT	(6) RAT E	(7) ADDITIONAL FEE
TOTAL CLAIMS	36	MINUS	52	-0-		-0-
INDEP CLAIMS	6	MINUS	7	-0-	X	-0-

Please charge any additional fees or credit overpayment to Deposit Account No. 07-1900.

Respectfully submitted,

JENSEN & PUNTIGAM, P.S.

By   
Robert A. Jensen #24,268  
Attorney for Applicant

RAJ:mw

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